



LIGHTNING PROTECTION SYSTEM INSPECTION REPORT

Site Address: -

Holiday Inn Express Dublin City Centre
28-32 O'Connell Street Upper
Dublin 1

Building Ref: - Main Building

Our Ref: - JM24-1143

Date of Inspection: - 10/06/2024

Next Inspection Due: - June 2025

Test Engineer: - Dominic Martin

(Lightning Conductor Engineer)

Comments: -

The Lightning Protection System has been tested and inspected in accordance with the requirements of the current standard testing regulations governing

I.S. EN 62305:2011 (Parts 1-4)

"Code of Practice, Protection of Structures Against Lightning"

Site: Holiday Inn Express Dublin City Centre, 28-32 O'Connell Street Upper, Dublin 1

Our Ref: JM/CM 24-1143

Air Terminals: N/A

Fixings: N/A

Air Termination: 25 x 3mm bare aluminium tape
Network:

Fixings: Torch welded mineral felt pads @1000mm centres / Pyramid holdfasts @ 1000mm centres

Down Conductors: 20 No. Use of structural reinforcement bar, which complies with I.S. EN 62305-3: 2011 Section 5.3

Fixings: Gunmetal type Bonds

Bonds: 25 x 3mm aluminium type 'B' bonds to various roof mounted plant

Joints: Clamped & Bolted

Test Points: 20 No. 25 x 3mm Stainless steel test clamps on the roof

Earth Termination(s): Use of structural foundations / Pile reinforcement, which complies with I.S. EN 62305-3: 2011 Section 5.4.4

Earth Readings (ohms): Please see the attached sheet

Ground Conditions: Dry

Comments:

We hereby certify that, at the time of inspection: The structural lightning protection system has been tested & commissioned in accordance with the requirements of the current standard I.S. EN 62305-3:2011 'The Protection of Structures Against Lightning'. The internal surge protection devices comply with I.S. EN 62305-4:2011. The system should be tested and inspected again in June 2025.

Engineer: D. Martin

Instrument N°: KYORITSU 4105A

Date Carried Out: 10th June 2024

Next Inspection Due: June 2025

Signed:



Date: 11th June 2024

Our Ref: CM 24-1143**Drawing No:** N/A**Contract:** Holiday Inn Express Dublin City Centre**Revised From:** N/A**Location:** 28-32 O'Connell Street Upper, Dublin 1**Date:** 11th June 2024

Earth Electrode Resistance Readings
(To be read in conjunction with the Test Certificate, and Test Report attached)

Electrode Reference	Resistance (ohms)	Electrode Reference	Resistance (ohms)
E1	0.84	E11	0.87
E2	0.63	E12	0.86
E3	0.74	E13	0.71
E4	0.89	E14	0.70
E5	0.88	E15	0.76
E6	0.93	E16	0.63
E7	0.75	E17	0.86
E8	0.69	E18	0.93
E9	0.93	E19	0.76
E10	0.87	E20	0.83

CONTINUITY READING TO PERIMETER TAPE			
LOCATION	TEST	TEST	STATUS
Air Termination Tape to Air Termination Tape	0.07 Ohms	Continuity	Pass
Air Termination Tape to Air Termination Tape	0.12 Ohms	Continuity	Pass
Air Termination Tape to Air Termination Tape	0.17 Ohms	Continuity	Pass
Air Termination Tape to Air Termination Tape	0.22 Ohms	Continuity	Pass
Air Termination Tape to Air Termination Tape	0.16 Ohms	Continuity	Pass
Air Termination Tape to Air Termination Tape	0.14 Ohms	Continuity	Pass

Test Engineer: Mr Dominic Martin**Instrument No:** KYORITSU 4105A**Date Carried Out:** 10th June 2024**Next Inspection due:** June 2025

ENGINEERS REPORT

Further to our recent visit, please find the following comments: -

Air Termination Network: -

No repairs required

Down Conductor Network: -

No repairs required

Earthing Network: -

No repairs required

A further test and inspection should be carried out in June 2025

Certificate of Calibration

issued by

EXCEL Electric Group

Excel Works, Bluebell Avenue, Dublin 12. Phone: 4500600 Fax: 4602178
email: sales@excelelectric.ie web: www.electric.ie



Date of Issue: 13-03-24

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Next Cal Due: 12-03-25

Category " A " Calibration

PRODUCT DESCRIPTION DIGITAL EARTH RESISTANCE TESTER

MANUFACTURER AVO INTERNATIONAL

MODEL NUMBER KYORITSU4105A

SERIAL NUMBER E8220345

CERTIFICATE NUMBER EJ47634

CUSTOMER POWERCOM SOLUTIONS

ADDRESS 59 ANNADALE CRESCENT, DRUMCONDRA, DUBLIN 9

EQUIPMENT TX8000 S/N J800577

TEMPERATURE 22°C ± 4°C

Joseph Steward

AUTHORISED SIGNATORY

This Certificate of Report relates only to the Equipment tested.

This Report shall not be reproduced except in full, without the approval of Excel Electric.

This certificate guarantees that the product above has been inspected and tested in accordance with the conditions and requirements of the Contract and Purchase Order and unless stated conforms in all respects to the relevant published specifications.

The above instrument has been calibrated using equipment which it self has been calibrated to national or international standards.

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email: sales@excelelectric.ie web: www.electric.ie



CERTIFICATE NO EJ47634 MODEL NO. KYORITSU4105A

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RANGE	APPLIED VALUE	INST READING	P/F
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RESISTANCE

20W	0575W	0.71W	P
20W	1.171W	1.15W	P
20W	9.66W	9.97W	P
200W	98.1W	95.9W	P
2.000KW	0.953KW	0.969KW	P
20.000KW	0.969KW	0.88KW	P